

INTERNATIONAL SEARCH REPORT

Int. Application No
PCT/US 99/28646A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B65D63/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B65D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4 477 950 A (CISEK KENNETH E ET AL) 23 October 1984 (1984-10-23) column 6, line 19 -column 8, line 7; figure 6	1-35
Y	US 5 048 158 A (KOERNER ROBERT) 17 September 1991 (1991-09-17) column 3, line 25 -column 5, line 27; figures 1,2	1-35
A	US 4 273 130 A (SIMPSON JUDITH V) 16 June 1981 (1981-06-16) column 3, line 16 - line 26; figure 1	5, 9, 16, 27
A	US 4 942 644 A (ROWLEY WILLIAM W) 24 July 1990 (1990-07-24) column 2, line 34 -column 3, line 53; figures	5, 9, 16, 27

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention.

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

10 March 2000

Date of mailing of the international search report

17/03/2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3018

Authorized officer

Olsson, B

INTERNATIONAL SEARCH REPORT

Int. Patent Application No.
PCT/US 99/28646

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 1 196 366 A (ROSS COURTNEY AND COMPANY LIMITED) 24 June 1970 (1970-06-24) the whole document	1
A	US 5 189 761 A (CHISHOLM BRUCE) 2 March 1993 (1993-03-02) column 2, line 42 -column 4, line 8; figures	1

1

Form PCT/ISA/210 (continuation of second sheet) (July 1992)

page 2 of 2

BEST AVAILABLE COPY

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT
Information on patent family membersInt. Application No
PCT/US 99/28646

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4477950 A	23-10-1984	AU 556091 B AU 2176783 A CA 1249424 A	23-10-1986 07-06-1984 31-01-1989
US 5048158 A	17-09-1991	NONE	
US 4273130 A	16-06-1981	NONE	
US 4942644 A	24-07-1990	NONE	
GB 1196366 A	24-06-1970	NONE	
US 5189761 A	02-03-1993	NONE	